

Thermaline® 4000



Project: High Temperature Stack (new construction)
 System: CZ11/Thermaline 4000
 Exposure: Up to 1000°F
 Picture: Surface marring due to cables; no other damage was sustained.



Project: Continuous Casting Shaft (steel foundry).
 Exposure: Hot and humid; extremely corrosive. Steel was being replaced every 3 years.
 System: Carbozinc 11/Thermaline 4000
 Picture: 3rd Year of Service; no coating breakdown

Thermaline 4000 is a self-cure, high-temperature resistant, inorganic finish that does not require heat for final curing. Thermaline 4000 dries to touch in 15 minutes and ready to handle in 2-4 hours, and it exhibits temperature resistance from 800°F-1000°F.

PRODUCT DETAILS Thermaline 4000 is a self-cure, high-temperature resistant, inorganic finish that does not require heat for final curing.

Problem: Standard silicone finishes remain soft and susceptible to handling damage until heat-cured making them difficult to work around during transportation and installation of painted equipment.

Solution: Thermaline 4000 can be applied over inorganic primers in as little as 2 hours (typically overnight cure for silicone finishes); and is dry to handle in 2 hours... with only an ambient cure (heat-curing not required).

Thermaline 4000 over Carbozinc 11 Series primers provides outstanding high temperature resistance (1000°F) and long term corrosion protection.

APPLICATIONS

- HOT PIPING
- FLAIR STACKS
- VENTS
- POWER
- STACKS
- EXHAUSTS
- CHEMICAL PROCESS
- SILENCERS
- FURNACES
- OFFSHORE PRODUCTION
- BOILER SKINS
- REACTOR EXTERIORS
- REFINING

FEATURES

- › Stable Inorganic polymer
- › Ambient cure (no heat required)
- › Single package
- › High heat resistant / Thermal shock resistant
- › Hard film at ambient-cure; excellent resistance to handling damage
- › Can use over inorganic zincs with only a 2-hour zinc primer cure
- › Fast dry to touch (15 minutes)
- › Fast dry to handle (2-4 hours)
- › Cures down to 40°F
- › Available in aluminum and custom colors

Thermaline[®] 4000

Quality Product Backed by Quality Service

- › Carboline Company has been solving tough corrosion and fireproofing problems since 1947
- › Industrial service centers and sales offices located around the world
- › Over 20 worldwide manufacturing locations with a global network of sales and technical support
- › Industry leading field service and technical engineering support team
- › Certified to ISO 9001

Reasons To Use Thermaline 4000

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Ambient-cure, heat-resistant finish	Does not require heat to cure for optimum film properties	Eliminates handling damage and costly repaints seen with silicone-finishes
Can topcoat inorganic zinc primers in 2 hours	Silicone finishes require overnight cure on zinc primers prior to topcoating	Both coats can be applied same shift saving shop (dwell time)
Inorganic formula	Highly resistant to UV degradation	Longer lasting finish; fewer repaints



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